

Appendix

Appendix Table 1: ST-elevation myocardial infarction patient characteristics by ethnicity, n (%).

	Māori	Pacific	Indian	Non-Indian Asian	Other	European	p-value*
Total	566 (11.7%)	268 (5.6%)	226 (4.7%)	168 (3.5%)	56 (1.2%)	3,543 (73.4%)	
Sex							
Female	190 (33.6%)	72 (26.9%)	44 (19.5%)	31 (18.5%)	10 (17.9%)	1,123 (31.7%)	<0.0001
Male	376 (66.4%)	196 (73.1%)	182 (80.5%)	137 (81.5%)	46 (82.1%)	2,420 (68.3%)	
Age, years							
Mean (SD)	59.3 (11.5)	58.8 (13.0)	58.8 (14.4)	61.2 (15.2)	65.4 (12.2)	68.8 (12.9)	<0.0001
Median (IQR)	59.0 (52.0–67.0)	58.0 (50.0–67.0)	59.0 (48.3–69.0)	61.0 (50.0–72.3)	65.0 (59.0–74.3)	69.0 (60.0–79.0)	
Age group, years							
18–39	22 (3.9%)	16 (6.0%)	23 (10.2%)	14 (8.3%)	2 (3.6%)	38 (1.1%)	0.005
40–49	91 (16.1%)	47 (17.5%)	40 (17.7%)	27 (16.1%)	3 (5.4%)	212 (6.0%)	
50–59	184 (32.5%)	84 (31.3%)	52 (23.0%)	35 (20.8%)	11 (19.6%)	632 (17.8%)	
60–69	163 (28.8%)	63 (23.5%)	56 (24.8%)	40 (23.8%)	20 (35.7%)	950 (26.8%)	
70–79	78 (13.8%)	39 (14.6%)	36 (15.9%)	28 (16.7%)	14 (25.0%)	891 (25.1%)	
80+	28 (4.9%)	19 (7.1%)	19 (8.4%)	24 (14.3%)	6 (10.7%)	820 (23.1%)	
Deprivation quintile (NZDep13), from 1 (least) to 5 (most) deprivation							
1	29 (5.1%)	11 (4.1%)	36 (15.9%)	43 (25.6%)	9 (16.1%)	696 (19.6%)	<0.0001
2	41 (7.2%)	22 (8.2%)	46 (20.4%)	41 (24.4%)	12 (21.4%)	742 (20.9%)	

Appendix Table 1 (continued): ST-elevation myocardial infarction patient characteristics by ethnicity, n (%).

	Māori	Pacific	Indian	Non-Indian Asian	Other	European	p-value*
3	68 (12.0%)	27 (10.1%)	42 (18.6%)	20 (11.9%)	11 (19.6%)	711 (20.1%)	
4	142 (25.1%)	53 (19.8%)	46 (20.4%)	40 (23.8%)	14 (25.0%)	797 (22.5%)	
5	286 (50.5%)	153 (57.1%)	55 (24.3%)	22 (13.1%)	9 (16.1%)	577 (16.3%)	
Missing	0 (0.0%)	2 (0.7%)	1 (0.4%)	2 (1.2%)	1 (1.8%)	20 (0.6%)	
Rurality (Geographic Classification for Health), from Urban 1 (least) to Rural 3 (most) rural							
Urban 1	216 (38.2%)	222 (82.8%)	198 (87.6%)	141 (83.9%)	36 (64.3%)	1,775 (50.1%)	0.0005
Urban 2	158 (27.9%)	24 (9.0%)	12 (5.3%)	14 (8.3%)	8 (14.3%)	826 (23.3%)	
Rural 1	85 (15.0%)	4 (1.5%)	5 (2.2%)	5 (3.0%)	6 (10.7%)	520 (14.7%)	
Rural 2	64 (11.3%)	2 (0.7%)	0 (0.0%)	1 (0.6%)	3 (5.4%)	251 (7.1%)	
Rural 3	26 (4.6%)	1 (0.4%)	0 (0.0%)	1 (0.6%)	0 (0.0%)	39 (1.1%)	
Missing	17 (3.0%)	15 (5.6%)	11 (4.9%)	6 (3.6%)	3 (5.4%)	132 (3.7%)	
Transportation to hospital							
Ambulance	375 (66.3%)	177 (66.0%)	153 (67.7%)	107 (63.7%)	40 (71.4%)	2,760 (77.9%)	<0.0001
Self	191 (33.7%)	91 (34.0%)	73 (32.3%)	61 (36.3%)	16 (28.6%)	783 (22.1%)	

SD = standard deviation; IQR = interquartile range.

*p-value for difference by ethnicity.

Appendix Table 2: Non-ST-elevation myocardial infarction patient characteristics by ethnicity, n (%).

	Māori	Pacific	Indian	Non-Indian Asian	Other	European	p-value*
Total	1,204 (11.3%)	560 (5.3%)	425 (4.0%)	352 (3.3%)	134 (1.3%)	7,952 (74.8%)	
Sex							
Female	547 (45.4%)	233 (41.6%)	106 (24.9%)	102 (29.0%)	39 (29.1%)	2,849 (35.8%)	<0.0001
Male	657 (54.6%)	327 (58.4%)	319 (75.1%)	250 (71.0%)	95 (70.9%)	5,103 (64.2%)	
Age, years							
Mean (SD)	62.3 (12.4)	61.8 (12.9)	62.7 (13.8)	64.3 (14.6)	66.1 (13.5)	72.1 (12.3)	<0.0001
Median (IQR)	63.0 (54.0–71.0)	61.5 (53.0–71.0)	63.0 (53.0–73.0)	65.0 (53.0–76.0)	64.0 (56.0–76.0)	73.0 (63.0–81.0)	
Age group, years							
18–39	41 (3.4%)	21 (3.8%)	23 (5.4%)	17 (4.8%)	1 (0.7%)	43 (0.5%)	0.0005
40–49	143 (11.9%)	77 (13.8%)	51 (12.0%)	49 (13.9%)	10 (7.5%)	266 (3.3%)	
50–59	310 (25.7%)	147 (26.3%)	95 (22.4%)	67 (19.0%)	33 (24.6%)	1,009 (12.7%)	
60–69	368 (30.6%)	163 (29.1%)	108 (25.4%)	85 (24.1%)	41 (30.6%)	1,868 (23.5%)	
70–79	237 (19.7%)	100 (17.9%)	92 (21.6%)	69 (19.6%)	28 (20.9%)	2,388 (30.0%)	
80+	105 (8.7%)	52 (9.3%)	56 (13.2%)	65 (18.5%)	21 (15.7%)	2,378 (29.9%)	
Deprivation quintile (NZDep13), from 1 (least) to 5 (most) deprivation							
1	70 (5.8%)	24 (4.3%)	49 (11.5%)	69 (19.6%)	26 (19.4%)	1,475 (18.5%)	<0.0001
2	90 (7.5%)	43 (7.7%)	76 (17.9%)	92 (26.1%)	30 (22.4%)	1,544 (19.4%)	
3	160 (13.3%)	65 (11.6%)	64 (15.1%)	67 (19.0%)	26 (19.4%)	1,687 (21.2%)	

Appendix Table 2 (continued): Non-ST-elevation myocardial infarction patient characteristics by ethnicity, n (%).

	Māori	Pacific	Indian	Non-Indian Asian	Other	European	p-value*
4	271 (22.5%)	118 (21.1%)	86 (20.2%)	69 (19.6%)	25 (18.7%)	1,885 (23.7%)	
5	612 (50.8%)	305 (54.5%)	149 (35.1%)	55 (15.6%)	27 (20.1%)	1,340 (16.9%)	
Missing	1 (0.1%)	5 (0.9%)	1 (0.2%)	0 (0.0%)	0 (0.0%)	21 (0.3%)	
Rurality (Geographical Classification for Health), from Urban 1 (least) to Rural 3 (most) rural							
Urban 1	415 (34.5%)	475 (84.8%)	373 (87.8%)	307 (87.2%)	98 (73.1%)	3,737 (47.0%)	0.0005
Urban 2	363 (30.1%)	36 (6.4%)	21 (4.9%)	20 (5.7%)	10 (7.5%)	1,956 (24.6%)	
Rural 1	176 (14.6%)	15 (2.7%)	12 (2.8%)	12 (3.4%)	13 (9.7%)	1,324 (16.6%)	
Rural 2	159 (13.2%)	8 (1.4%)	2 (0.5%)	2 (0.6%)	7 (5.2%)	590 (7.4%)	
Rural 3	47 (3.9%)	0 (0.0%)	1 (0.2%)	1 (0.3%)	0 (0.0%)	96 (1.2%)	
Missing	44 (3.7%)	26 (4.6%)	16 (3.8%)	10 (2.8%)	6 (4.5%)	249 (3.1%)	
Transportation to hospital							
Ambulance	586 (48.7%)	264 (47.1%)	226 (53.2%)	154 (43.8%)	70 (52.2%)	5,155 (64.8%)	<0.0001
Self	618 (51.3%)	296 (52.9%)	199 (46.8%)	198 (56.3%)	64 (47.8%)	2,797 (35.2%)	

SD = standard deviation; IQR = interquartile range.

*p-value for difference by ethnicity.

Appendix Table 3: Unstable angina patient characteristics by ethnicity, n (%).

	Māori	Pacific	Indian	Non-Indian Asian	Other	European	p-value*
Total	418 (10.9%)	149 (3.9%)	148 (3.9%)	143 (3.7%)	57 (1.5%)	2,914 (76.1%)	
Sex							
Female	196 (46.9%)	62 (41.6%)	32 (21.6%)	52 (36.4%)	16 (28.1%)	1,012 (34.7%)	<0.0001
Male	222 (53.1%)	87 (58.4%)	116 (78.4%)	91 (63.6%)	41 (71.9%)	1,902 (65.3%)	
Age, years							
Mean (SD)	61.4 (10.8)	61.6 (12.2)	62.8 (11.6)	64.7 (11.6)	63.1 (10.1)	71.0 (11.0)	<0.0001
Median (IQR)	61.0 (55.0–68.0)	60.0 (53.0–72.0)	64.0 (54.8–72.0)	65.0 (57.0–72.0)	63.0 (54.0–72.0)	72.0 (64.0–79.0)	
Age group, years							
18–39	9 (2.2%)	4 (2.7%)	7 (4.7%)	4 (2.8%)	0 (0.0%)	7 (0.2%)	0.0005
40–49	49 (11.7%)	18 (12.1%)	13 (8.8%)	9 (6.3%)	4 (7.0%)	79 (2.7%)	
50–59	116 (27.8%)	49 (32.9%)	31 (20.9%)	30 (21.0%)	19 (33.3%)	391 (13.4%)	
60–69	153 (36.6%)	38 (25.5%)	50 (33.8%)	52 (36.4%)	17 (29.8%)	740 (25.4%)	
70–79	69 (16.5%)	27 (18.1%)	41 (27.7%)	35 (24.5%)	14 (24.6%)	1,054 (36.2%)	
80+	22 (5.3%)	13 (8.7%)	6 (4.1%)	13 (9.1%)	3 (5.3%)	643 (22.1%)	
Deprivation quintile (NZDep13), from 1 (least) to 5 (most) deprivation							
1	27 (6.5%)	6 (4.0%)	15 (10.1%)	34 (23.8%)	13 (22.8%)	541 (18.6%)	<0.0001
2	34 (8.1%)	10 (6.7%)	22 (14.9%)	26 (18.2%)	11 (19.3%)	540 (18.5%)	
3	57 (13.6%)	15 (10.1%)	28 (18.9%)	35 (24.5%)	11 (19.3%)	661 (22.7%)	

Appendix Table 3 (continued): Unstable angina patient characteristics by ethnicity, n (%).

	Māori	Pacific	Indian	Non-Indian Asian	Other	European	p-value*
4	90 (21.5%)	33 (22.1%)	27 (18.2%)	21 (14.7%)	15 (26.3%)	679 (23.3%)	
5	210 (50.2%)	83 (55.7%)	55 (37.2%)	27 (18.9%)	6 (10.5%)	487 (16.7%)	
Missing	0 (0.0%)	2 (1.3%)	1 (0.7%)	0 (0.0%)	1 (1.8%)	6 (0.2%)	
Rurality (Geographical Classification for Health), from Urban 1 (least) to Rural 3 (most) rural							
Urban 1	132 (31.6%)	121 (81.2%)	132 (89.2%)	122 (85.3%)	41 (71.9%)	1,286 (44.1%)	0.0005
Urban 2	135 (32.3%)	9 (6.0%)	3 (2.0%)	13 (9.1%)	7 (12.3%)	725 (24.9%)	
Rural 1	74 (17.7%)	14 (9.4%)	5 (3.4%)	6 (4.2%)	3 (5.3%)	519 (17.8%)	
Rural 2	55 (13.2%)	1 (0.7%)	4 (2.7%)	0 (0.0%)	2 (3.5%)	252 (8.6%)	
Rural 3	12 (2.9%)	0 (0.0%)	0 (0.0%)	0 (0.0%)	1 (1.8%)	46 (1.6%)	
Missing	10 (2.4%)	4 (2.7%)	4 (2.7%)	2 (1.4%)	3 (5.3%)	86 (3.0%)	
Transportation to hospital							
Ambulance	150 (35.9%)	61 (40.9%)	55 (37.2%)	37 (25.9%)	18 (31.6%)	1,393 (47.8%)	<0.0001
Self	268 (64.1%)	88 (59.1%)	93 (62.8%)	106 (74.1%)	39 (68.4%)	1,521 (52.2%)	

SD = standard deviation; IQR = interquartile range.

*p-value for difference by ethnicity.

Appendix Table 4: ST-elevation myocardial infarction patient characteristics by transport to hospital, n (%).

	Emergency medical service	Other	Total	p-value*
Sex				
Female	1,170 (32.4%)	300 (24.7%)	1,470	<0.01
Male	2,442 (67.6%)	915 (75.3%)	3,357	
Age, years				
18–39	72 (2.0%)	43 (3.5%)	115	<0.01
40–49	280 (7.8%)	140 (11.5%)	420	
50–59	708 (19.6%)	290 (23.9%)	998	
60–69	921 (25.5%)	371 (30.5%)	1,292	
70–79	827 (22.9%)	259 (21.3%)	1,086	
80+	804 (22.3%)	112 (9.2%)	916	
NZDep13 quintiles				
1	642 (17.8%)	182 (15.2%)	824	<0.01
2	692 (19.2%)	212 (17.7%)	904	
3	677 (18.8%)	202 (16.8%)	879	
4	796 (22.1%)	296 (24.6%)	1,092	
5	793 (22.0%)	309 (25.7%)	1,102	
Missing	12	14	26	
Rurality				
Urban 1	2,024 (58.2%)	564 (48.5%)	2,588	<0.01
Urban 2	692 (19.9%)	350 (30.1%)	1,042	
Rural 1	489 (14.1%)	136 (11.7%)	625	
Rural 2	223 (6.4%)	98 (8.4%)	321	
Rural 3	51 (1.5%)	16 (1.4%)	67	
Missing	133	51	184	
Ethnicity				
European	2,760 (76.4%)	783 (64.4%)	3,543	<0.01
Non-Indian Asian	107 (3.0%)	61 (5.0%)	168	
Indian	153 (4.2%)	73 (6.0%)	226	

Appendix Table 4 (continued): ST-elevation myocardial infarction patient characteristics by transport to hospital, n (%).

	Emergency medical service	Other	Total	p-value*
Māori	375 (10.4%)	191 (15.7%)	566	
Pacific	177 (4.9%)	91 (7.5%)	268	
Other	40 (1.1%)	16 (1.3%)	56	

*p-value for difference by transport to hospital by patient.

Appendix Table 5: Non-ST-elevation myocardial infarction patient characteristics by transport to hospital, n (%).

	Emergency medical service	Other	Total	p-value*
Sex				
Female	2,580 (40.0%)	1,296 (31.1%)	3,876	<0.01
Male	3,875 (60.0%)	2,876 (68.9%)	6,751	
Age, years				
18–39	51 (0.8%)	95 (2.3%)	146	<0.01
40–49	258 (4.0%)	338 (8.1%)	596	
50–59	761 (11.8%)	900 (21.6%)	1,661	
60–69	1,357 (21.0%)	1,276 (30.6%)	2,633	
70–79	1,845 (28.6%)	1,069 (25.6%)	2,914	
80+	2,183 (33.8%)	494 (11.8%)	2,677	
NZDep13 quintiles				
1	1,033 (16.0%)	680 (16.4)	1,713	<0.01
2	1,141 (17.7%)	734 (17.7%)	1,875	
3	1,305 (20.3%)	764 (18.4%)	2,069	
4	1,542 (23.9%)	912 (21.9%)	2,454	
5	1,420 (22.0%)	1,068 (25.7%)	2,488	
Missing	14	14	28	
Rurality				
Urban 1	3,313 (53.2%)	2,092 (51.7%)	5,405	<0.01
Urban 2	1,366 (21.9%)	1,040 (25.7%)	2,406	
Rural 1	1,031 (16.6%)	521 (12.9%)	1,552	

Appendix Table 5 (continued): Non-ST-elevation myocardial infarction patient characteristics by transport to hospital, n (%).

	Emergency medical service	Other	Total	p-value*
Rural 2	438 (7.0%)	330 (8.1%)	768	
Rural 3	78 (1.3%)	67 (1.7%)	145	
Missing	229	122	351	
Ethnicity				
European	5,155 (79.9%)	2,797 (67.0%)	7,952	<0.01
Non-Indian Asian	154 (2.4%)	198 (4.7%)	352	
Indian	226 (3.5%)	199 (4.8%)	425	
Māori	586 (9.1%)	618 (14.8%)	1,204	
Pacific	264 (4.1%)	296 (7.1%)	560	
Other	70 (1.1%)	64 (1.5%)	134	

*p-value for difference by transport to hospital by patient characteristic.

Appendix Table 6: Unstable angina patient characteristics by transport to hospital, n (%).

	Emergency medical service	Other	Total	p-value*
Sex				
Female	698 (40.7%)	672 (31.8%)	1,370	<0.01
Male	1,016 (59.3%)	1,443 (68.2%)	2,459	
Age, years				
18–39	10 (0.6%)	21 (1.0%)	31	<0.01
40–49	52 (3.0%)	120 (5.7%)	172	
50–59	179 (10.4%)	457 (21.6%)	636	
60–69	383 (22.3%)	667 (31.5%)	1,050	
70–79	588 (34.3%)	652 (30.8%)	1,240	
80+	502 (29.3%)	198 (9.4%)	700	
NZDep13 quintiles				
1	256 (15.0%)	380 (18.0%)	636	<0.01
2	287 (16.8%)	356 (16.9%)	643	
3	371 (21.7%)	436 (20.7%)	807	
4	418 (24.5%)	447 (21.2%)	865	

Appendix Table 6 (continued): Unstable angina patient characteristics by transport to hospital, n (%).

	Emergency medical service	Other	Total	p-value*
5	377 (22.1%)	491 (23.3%)	868	
Missing	5	5	10	
Rurality				
Urban 1	814 (49.1%)	1,020 (49.4%)	1,834	<0.01
Urban 2	365 (22.0%)	527 (25.5%)	892	
Rural 1	319 (19.3%)	302 (14.6%)	621	
Rural 2	134 (8.1%)	180 (8.7%)	314	
Rural 3	25 (1.5%)	34 (1.6%)	59	
Missing	57	52	109	
Ethnicity				
European	1,393 (81.3%)	1,521 (71.9%)	2,914	<0.01
Non-Indian Asian	37 (2.2%)	106 (5.0%)	143	
Indian	55 (3.2%)	93 (4.4%)	148	
Māori	150 (8.8%)	268 (12.7%)	418	
Pacific	61 (3.6%)	88 (4.2%)	149	
Other	18 (1.1%)	39 (1.8%)	57	

*p-value for difference by transport to hospital by patient characteristic.